EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	18	("3667608" | "3873238" | "4663037" | "4761225" | "4826406" | "4872994" | "4974674" | "5027902" | "5058669" | "5207897" | "5326458" | "5358038" | "6039546" | "6146104" | "6299672" | "6454010" | "6550535" | "6632073").PN.	US-PGPUB; USPAT	ADJ	ON	2008/01/02 10:50
S2	1	"6497561".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/02 11:10
S3	1	"5104301".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/02 11:11
S4	979	417/415.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/01/02 15:14
S5	547	(417/415.ccls. and piston	US-PGPUB; USPAT	ADJ	ON	2008/01/02 15:15
S6	4	(417/415.ccls. and piston and piezo)	US-PGPUB; USPAT	ADJ	ON	2008/01/02 15:16
S7	5	(417/415.ccls. and piston ADJ actuator)	US-PGPUB; USPAT	ADJ	ON	2008/01/02 15:16
S8	2	(417/415.ccls. and piston ADJ actuator and compressor)	US-PGPUB; USPAT	ADJ	ON	2008/01/02 15:17
S9	415	417/415.ccls. and compressor	US-PGPUB; USPAT	ADJ	ON	2008/01/02 15:19
S10	172	137/601.14.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/01/02 15:52
S11	1	137/601.14.ccls. and piezo	US-PGPUB; USPAT	ADJ	ON	2008/01/02 15:55

S12	1	"4782807".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/02 16:08
S13	82	amplif$4 spring	US-PGPUB; USPAT	ADJ	ON	2008/01/02 16:14
S14	15	amplifying spring	US-PGPUB; USPAT	ADJ	ON	2008/01/02 16:15
S15	6	("2483670" | "3030475" | "3158718").PN. OR ("4736182").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/02 16:21
S16	2	non compressible fluid displacement	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/02 16:54
S17	8	hydraulic displacement NEAR amplif$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/02 17:01
S18	43	("4022166" | "4544096" | "5452858" | "5495957").PN. OR ("5697554").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/02 17:07
S19	1	"4570095".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/02 17:28
S20	1	"3902084".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/02 17:30
S21	2	piezoelectric hydraulic pump	US-PGPUB; USPAT	ADJ	ON	2008/01/02 17:31
S22	6	piezoelectric hydraulic actuator	US-PGPUB; USPAT	ADJ	ON	2008/01/02 17:32
S23	64	piezoelectric hydraulic	US-PGPUB; USPAT	ADJ	ON	2008/01/02 17:35
S24	1	"6575138".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/02 17:46
S25	0	hydraulic acutator amplif$4	US-PGPUB; USPAT	ADJ	ON	2008/01/03 13:45
S26	31	hydraulic acutator	US-PGPUB; USPAT	ADJ	ON	2008/01/03 13:45
S27	0	hydraulic acutator cylinder	US-PGPUB; USPAT	ADJ	ON	2008/01/03 13:47
S28	3	(hydraulic acutator) WITH cylinder	US-PGPUB; USPAT	ADJ	ON	2008/01/03 13:48
S29	3	(hydraulic NEAR acutator) WITH cylinder	US-PGPUB; USPAT	ADJ	ON	2008/01/03 13:48

S30	0	(hydraulic NEAR acutator) WITH cylinder AND amplif $4	US-PGPUB; USPAT	ADJ	ON	2008/01/03 13:52
S31	0	((hydraulic NEAR acutator) WITH cylinder)AND amplif $4	US-PGPUB; USPAT	ADJ	ON	2008/01/03 13:52
S32	0	((hydraulic NEAR acutator) WITH cylinder) AND amplify	US-PGPUB; USPAT	ADJ	ON	2008/01/03 13:52
S34	3	(amplif$4 SAME (hydraulic actuator)) AND (cylinder OR piston) AND "417".clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/03 13:54
S35	172	amplif$4 and hydraulic and cylinder and piston and fluid and piezo and actuator	US-PGPUB; USPAT	ADJ	ON	2008/01/03 14:02
S37	3	amplif$4 and hydraulic and cylinder and piston and fluid and piezo and actuator and "417".clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/03 14:02
S38	1	"4995587".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/03 15:11
S39	357	piston stopper	US-PGPUB; USPAT	ADJ	ON	2008/01/04 10:51
S40	17	piston stopper and "417".clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/04 10:51
S41	17	piston stopper and "417".clas. AND (piston AND stopper)	US-PGPUB; USPAT	ADJ	ON	2008/01/04 10:57
S42	357	piston stopper AND (piston AND stopper)	US-PGPUB; USPAT	ADJ	ON	2008/01/04 11:00
S43	7308	piezoelectric WITH pulse	US-PGPUB; USPAT	ADJ	ON	2008/01/07 14:33
S44	1032	piezoelectric WITH (pulse AND current)	US-PGPUB; USPAT	ADJ	ON	2008/01/07 14:33

S45	24664	piezoelectric WITH (pulse AND current OR voltage)	US-PGPUB; USPAT	ADJ	ON	2008/01/07 14:34
S46	820	piezoelectric WITH (pulse AND current AND voltage)	US-PGPUB; USPAT	ADJ	ON	2008/01/07 14:34
S47	12	piezoelectric WITH (pulse AND current AND voltage) AND "417".clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/07 14:34
S48	62	(piezoelectric WITH pulse) AND (current OR voltage) AND "417".clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/07 14:35
S49	39	(piezoelectric WITH pulse) WITH (current OR voltage) AND "417".clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/07 14:36
S50	36	(piezoelectric WITH pulse) WITH (voltage) AND "417".clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/07 15:05
S51	3	(piezoelectric WITH pulse) WITH (current) AND "417".clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/07 15:14
S52	49	non compressible fluid WITH (hydraulic OR fluid OR oil) AND "417".clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/07 15:40
S53	49	(non compressible fluid) WITH (hydraulic OR fluid OR oil) AND "417".clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/07 15:40
S54	5	(non compressible fluid) WITH (hydraulic OR fluid OR oil) AND "417".clas. AND piezoelectric	US-PGPUB; USPAT	ADJ	ON	2008/01/07 15:41
S56	6	(non compressible fluid) WITH piezoelectric	US-PGPUB; USPAT	ADJ	ON	2008/01/07 15:46

S57	4865	(piston WITH spring) AND stopper	US-PGPUB; USPAT	ADJ	ON	2008/01/07 17:29
S58	286	(piston WITH spring) AND stopper AND "417". clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/07 17:29
S59	95	(piston WITH spring) SAME stopper AND "417". clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/07 17:29
S60	1	(piston WITH spring) SAME stopper AND "417". clas. and piezo	US-PGPUB; USPAT	ADJ	ON	2008/01/07 17:34
S61	190	(piston WITH stopper) AND "417". clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/07 17:36
S62	2	(piston WITH stopper) AND "417". clas. AND piezo	US-PGPUB; USPAT	ADJ	ON	2008/01/07 18:51
S63	0	(piston WITH stopper) AND "417". clas. WITH piezo	US-PGPUB; USPAT	ADJ	ON	2008/01/07 18:52
S64	0	(piston WITH stopper) WITH piezo AND "417". clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/07 18:52
S65	0	(piston WITH stopper) SAME piezo AND "417". clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/07 18:52
S66	2	(piezoelectric WITH pulse) WITH (spring) AND "417". clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/08 14:13
S67	11	(piezoelectric WITH piston) WITH (spring) AND "417". clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/08 14:15
S68	80	amplif$4 and hydraulic and cylinder and (piston SAME spring) and fluid and piezo and actuator	US-PGPUB; USPAT	ADJ	ON	2008/01/08 14:25

S69	0	piezo WITH piston spring SAME stopper	US-PGPUB; USPAT	ADJ	ON	2008/01/08 14:29
S70	1	piezo WITH piston SAME spring SAME stopper	US-PGPUB; USPAT	ADJ	ON	2008/01/08 14:29
S71	1148	piezo AND (piston SAME (spring or stopper))	US-PGPUB; USPAT	ADJ	ON	2008/01/08 14:33
S73	130	piezo AND (piston SAME (spring or stopper)) AND reciprocate	US-PGPUB; USPAT	ADJ	ON	2008/01/08 14:33
S74	23	piezo SAME (piston SAME (spring or stopper)) AND reciprocate	US-PGPUB; USPAT	ADJ	ON	2008/01/08 14:34
S75	2	piezo SAME (piston SAME (spring or stopper)) SAME reciprocate	US-PGPUB; USPAT	ADJ	ON	2008/01/08 14:35
S76	42	piezo AND (piston SAME (spring or stopper)) AND "417".clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/16 13:50
S77	23	piezo SAME (piston SAME (spring or stop$3)) AND reciprocate	US-PGPUB; USPAT	ADJ	ON	2008/01/16 13:53
S78	8	piezo SAME (piston SAME (spring AND stop$3)) AND reciprocate	US-PGPUB; USPAT	ADJ	ON	2008/01/16 13:54
S79	51	stopper SAME piston spring	US-PGPUB; USPAT	ADJ	ON	2008/01/16 14:16
S80	225	(amplif$4 SAME (hydraulic actuator)) AND (cylinder OR piston)	US-PGPUB; USPAT	ADJ	ON	2008/01/16 15:28
S81	120	S80 and (stop$4)	US-PGPUB; USPAT	ADJ	ON	2008/01/16 15:32
S82	172	amplif$4 and hydraulic and cylinder and piston and fluid and piezo and actuator	US-PGPUB; USPAT	ADJ	ON	2008/01/16 15:33

S83	140	S82 and (stop$4)	US-PGPUB; USPAT	ADJ	ON	2008/01/16 15:33
S84	32	S82 and (piston WITH stop$4)	US-PGPUB; USPAT	ADJ	ON	2008/01/16 15:34
S85	24	S82 and (piston WITH (stopper OR seat))	US-PGPUB; USPAT	ADJ	ON	2008/01/16 15:39
S86	36	("2955582" | "3587547" | "4000756" | "4009695" | "4206728" | "4306680" | "4527738" | "4602604" | "4784102" | "4794890" | "4995351").PN. OR ("5237976").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/16 16:28

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